

ABSTRACT OF DISCLOSURE

The invention provides an installation device and an installation method for a piston ring. The installation device includes an extruding mechanism (110) that horizontally extrudes a piston ring (R) and positions the piston ring at a predetermined position and, after extruding the piston ring, is driven downwardly in a vertical direction by a predetermined amount and is then returned to a waiting position; a ring holding mechanism (120) that has a guide passage for guiding the extruded piston ring, that is driven so as to move close to and apart from a piston in one direction perpendicular to the extruding direction, and that is capable of defining an insertion hole for inserting the piston in the center area thereof; a ring diameter extending mechanism (130) that extends the diameter of the piston ring, that is driven in a state of entering and leaving the guide passage of the ring holding mechanism, and that is reversely driven to a position for defining a part of the guide passage when the diameter-extended state of the piston ring is released; and a piston holding member (140) that holds the piston at a predetermined position. Thus, the piston ring can be reliably installed.